

# EUROPEAN PATENT OFFICE

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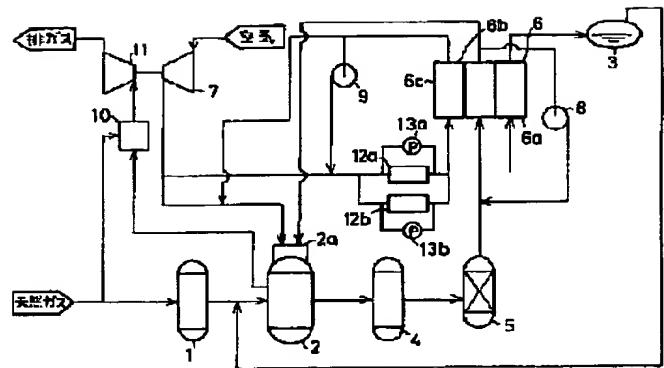
APPLICATION DATE : 27-04-95  
APPLICATION NUMBER : 07103917

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TITLE : FUEL CELL POWER PLANT



ABSTRACT : PURPOSE: To improve long period stability of cell performance by providing a specific constitution so as to prevent a blockade of a cathode gas flow path in the interior of a fuel cell, in a fuel cell power plant comprising an anode electrode and a cathode electrode.

CONSTITUTION: In a fuel cell power plant comprising an anode electrode 6b and a cathode electrode 6c, in an inlet pipe of the cathode electrode 6c, filters 12a, 12b of removing impurities contained in fuel gas are set up in a route of the downstream in a confluent point of a delivery pipe of a cathode recycle blower 9 of circulating outlet gas of the cathode electrode 6c. In the filters 12a, 12b, preferably a permanent magnet is used to remove iron rust contained in fuel gas. In the filters 12a, 12b, preferably a contact cooler coming into direct contact with water is used to remove iron rust and salts in fuel gas.

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